

Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

STATE ORIGIN
AIR QUALITY PERMIT

Permittee Name: J.M. Smucker, LLC
Mailing Address: 767 Winchester Road
Lexington, KY 40505

Source Name: J. M. Smucker, LLC
Mailing Address: Same as above

Source Location: 767 Winchester Road
Lexington, KY 40505

Source ID #: 21-067-00023
SIC Code: 2099
AI Number: 1089
Activity Number: APE20050002

Regional Office Frankfort Regional Office
643 Teton Trail, Ste B
Frankfort, KY 40601
(502) 574-6000

County: Fayette

Permit Number: S-03-114 R1
Permit Type: Operating/Construction

Application
Complete Date: October 15, 2003
Issuance Date: November 10, 2003
Revision Date: March 31, 2005
Expiration Date: November 10, 2013

John S. Lyons, Director
Division for Air Quality

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify an affected facility without first having submitted a complete application and received a permit for the planned activity from the Division, except as provided in this permit or in 401 KAR 52:040, State-origin permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining other permits, licenses, or approvals that may be required by the Cabinet or other federal, state, or local agencies.

SECTION B - MISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**Emission Unit 19, 20: (22, 23) South Roaster (#1 and #2)**

Process Rated Capacity: 12,500 lb/hr
Construction Commenced: 04/1972
Control Device: Cyclone, 98% Efficiency

APPLICABLE REGULATIONS:

401 KAR 61:020, Existing Process Operations

1. Operating Limitations:

The usage and production rate of materials used in units 19 and 20 in the affected facilities shall not exceed the limitations described above.

2. Emission Limitations:

a. Pursuant to 401 KAR 61:020, Section 3(2), particulate emissions shall not exceed:

Emission Unit	PM Emission (lb/hr)
Unit 19 (22)	14.0
Unit 20 (23)	14.0

b. Pursuant to 401 KAR 61:020, any continuous emissions into the open air shall not equal or exceed forty percent (40%) opacity.

Compliance Demonstration Method: Compliance with emission limitations shall be assured through compliance with Section C.F.1.a.

3. Testing Requirements:

None

4. Monitoring Requirements:

The permittee shall monitor the weight throughput of peanuts on a weekly basis.

5. Record Keeping Requirements:

The permittee shall compile and maintain records of the amount of peanuts processed on a weekly basis.

SECTION B - MISSION POINTS, EMISSIONS UNITS, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Reporting Requirements:

See Section C.C

7. Control Equipment

- a. The cyclone shall be operated as necessary to maintain compliance with permitted emission limitations, in accordance with manufacturer's specifications and/or standard operating practices.
- b. Records regarding the maintenance of the control equipment shall be maintained.

SECTION B - MISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Emission Unit 21: (34) North Roaster (#3 and #4)**

Process Rated Capacity: 25,000 lb/hr
Construction Commenced: 09/1978
Control Device: Cyclone, 98% Efficiency

Emission Unit 25: (24, 25) East and West Peanut Coolers

Process Rated Capacity: 25,000 lb/hr
Construction Commenced: 09/1978
Control Device: Cyclone, 99.6% Efficiency

APPLICABLE REGULATIONS:

401 KAR 59:010, New Process Operations

1. Operating Limitations:

The usage and production rate of materials used in units 21 and 25 in the affected facilities shall not exceed the limitations described above.

2. Emission Limitations:

a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed:

Emission Unit	PM Emission (lb/hr)
Unit 21 (34)	17.2
Unit 25, 26 (24, 25)	17.2

b. Pursuant to 401 KAR 59:010 3(1), any continuous emissions into the open air shall not equal or exceed twenty percent (20%) opacity.

Compliance Demonstration Method: Compliance with emission limitations shall be assured through compliance with Section C.F.1.a.

3. Testing Requirements:

None

4. Monitoring Requirements:

The permittee shall monitor the weight throughput of peanuts on a weekly basis.

SECTION B - MISSION POINTS, EMISSIONS UNITS, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Record Keeping Requirements:

The permittee shall compile and maintain records of the amount of peanuts roasted on a weekly basis.

6. Reporting Requirements:

See Section C.C

7. Control Equipment

- a. The cyclone shall be operated as necessary to maintain compliance with permitted emission limitations, in accordance with manufacturer's specifications and/or standard operating practices.
- b. Records regarding the maintenance of the control equipment shall be maintained.

SECTION B - MISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Emission Unit 28: (14) North American ERG-20 Natural Gas Boiler**

Rated Input Heat Capacity: 2.4 mmBtu/hr
Construction Commenced: 01/1982

Emission Unit 29: (16) Vapor Corp. VA Power Steam Generator (N.G.)

Rated Input Heat Capacity: 8.99 mmBtu/hr
Construction Commenced: 01/1973

APPLICABLE REGULATIONS:

Regulation 401 KAR 59:015, New Indirect Heat Exchangers, applicable to an emission unit with a capacity less than 250 mmBtu/hr and commenced on or after April 9, 1972)

1. Operating Limitations:

None.

2. Emission Limitations:

- a. Pursuant to Regulation 401 KAR 59:015 Section 4(1), and Section 5(1)(c), particulate and sulfur dioxide emissions shall not exceed:

Emission Unit	PM (lb/mmBtu)	SO ₂ (lb/mmBtu)
Unit 28 (14)	0.543	2.84
Unit 29 (16)	0.543	2.84

- b. Pursuant to Regulation 401 KAR 59:015, Section (4)(2), visible emissions shall not exceed 20 percent opacity

- c. These units are considered to be in compliance with the allowable SO₂, PM, and opacity limitations while burning natural gas

3. Testing Requirements:

None

4. Monitoring Requirements:

Particulate, sulfur dioxide, and visible emissions as measured by methods referenced in State Regulation 401 KAR 50:015, Documents incorporated by reference, Section 1, shall not exceed the respective limitations specified herein.

SECTION B - MISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Recordkeeping Requirements:

The permittee shall record and maintain records of the amount of fuel combusted on a monthly basis.

6. Reporting Requirements:

See Section C, General Conditions C.1, C.2, and F.2

SECTION C - GENERAL CONDITIONS**A. Administrative Requirements**

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:040, Section 3(1)(b) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
2. This permit shall remain in effect for a fixed term of ten (10) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:040, Section 15]
3. Any condition or portion of this permit, which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Material incorporated by reference by 401 KAR 52:040, Section 1a, 15].
4. Pursuant to materials incorporated by reference by 401 KAR 52:040, this permit may be revised, revoked, reopened, reissued, or terminated for cause. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance shall not stay any permit condition [Material incorporated by reference by 401 KAR 52:040, Section 1a, 4, 5].
5. This permit does not convey property rights or exclusive privileges [Material incorporated by reference by 401 KAR 52:040, Section 1a, 8].
6. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:040, Section 11(3)].
7. All previously issued permit to this source at this location are hereby null and void.

B. Record keeping Requirements

1. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of at least five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:040, Section 3(1)(f)].
2. The permittee shall perform compliance certification and recordkeeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

SECTION C - GENERAL CONDITIONS (CONTINUED)

C. Reporting Requirements

1. a. In accordance with the provisions of 401 KAR 50:055, Section 1 the permittee shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - i. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - ii. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit notice upon request.
- b. The permittee shall promptly report deviations from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Reporting Requirement condition 1 a) above) , the probable cause of the deviation, and corrective or preventive measures taken; to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report [Material incorporated by reference by 401 KAR 52:040, Section 5, 3].
2. The permittee shall furnish information requested by the cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the permit [Material incorporated by reference by 401 KAR 52:040, Section 1a, 8].
3. Summary reports of monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

The summary reports are due January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21. All deviations from permit requirements shall be clearly identified in the reports.

D. Inspections

1. In accordance with the requirements of 401 KAR 52:040, Section 3(1)(f) the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;

SECTION C - GENERAL CONDITIONS (CONTINUED)

- b. To access and copy any records required by the permit.
- c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit. Reasonable times are defined as during all hours of operation, during normal office hours, or during an emergency.
- d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

E. Emergencies/Enforcement Provisions

- 1. The permittee shall not use as defense in an enforcement action, the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance.
- 2. An emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
- 3. Emergency provisions listed in General Condition E.2 are in addition to any emergency or upset provision contained in an applicable requirement.
- 4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof.

F. Compliance

- 1. Periodic testing or instrumental or non-instrumental monitoring, which may consist of record keeping, shall be performed to the extent necessary to yield reliable data for purposes of demonstration of continuing compliance with the conditions of this permit. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:
 - a. Pursuant to 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by 401 KAR 50:055, Section 1.

SECTION C - GENERAL CONDITIONS (CONTINUED)

- b. All the air pollution control systems shall be maintained regularly in accordance with good

- engineering practices and the recommendations of the respective manufacturers. A log shall be kept of all routine and non-routine maintenance performed on each control device.
- c. A log of the monthly raw material consumption and monthly production rates shall be kept available at the facility. Compliance with the emission limits may be demonstrated by computer program, spread sheets, calculations or performance tests as may be specified by the Division.
2. Pursuant to 401 KAR 52:040, Section 19, the permittee shall certify compliance with the terms and conditions contained in this permit by January 30th of each year, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Regional Office listed on the front of this permit in accordance with the following requirements:
- Identification of the term or condition;
 - Compliance status of each term or condition of the permit;
 - Whether compliance was continuous or intermittent;
 - The method used for determining the compliance status for the source, currently and over the reporting period, and
 - For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
 - The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:
- | | |
|---------------------------|--------------------------|
| Division for Air Quality | Division for Air Quality |
| Frankfort Regional Office | Central Files |
| 643 Teton Trail, Ste B | 803 Schenkel Lane |
| Frankfort, KY 40601 | Frankfort, KY 40601-1403 |
3. Permit Shield - A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with all:
- Applicable requirements that are included and specifically identified in this permit; or
 - Non-applicable requirements expressly identified in this permit.

G. Construction Requirements: (Equipment # 40, 41, 42, 44, and 45, Nov. 2003) (Insignificant Units # 28, 29, 30, and 31, May 2005),

1. Pursuant to 401 KAR 52:040, Section 12(3), unless construction is commenced on or before 18 months after the date of issue of this permit, or if construction is commenced and then stopped for any consecutive period of 18 months or more, or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon a written request, the cabinet may extend these time periods if the source shows good cause.

SECTION C - GENERAL CONDITIONS (CONTINUED)

2. Pursuant to 401 KAR 52:040, Section 12(4)(a) and 401 KAR 59:005, General provisions,

Section 3(1), within 30 days following construction commencement, within 15 days following start-up and attainment of maximum production rate, or within 15 days following the issuance date of this permit, whichever is later, the owner and/or operator of the affected facilities specified on this permit shall furnish to the Regional Office listed on the front of this permit, with a copy to the Division's Frankfort Central Office, the following:

- a. Date when construction commenced, (See General Condition G.1).
 - b. Start-up date of each of the affected facilities listed on this permit.
 - c. Date when maximum production rate was achieved, (See General Condition G.3.b).
3. Pursuant to 401 KAR 59:005, General provisions, Section 2(1), this permit shall allow time for the initial start-up, operation and compliance demonstration of the affected facilities listed herein. However, within 60 days after achieving the maximum production rate at which the affected facilities will be operated, but not later than 180 days after initial start-up of such facilities, the owner or operator shall demonstrate compliance to a duly authorized representative of the Division.
 4. Pursuant to 401 KAR 59:005, General provisions, Section 3(1)(b), unless notification and justification to the contrary are received by this Division, the date of achieving the maximum production rate at which the affected facilities will be operated shall be deemed to be 30 days after initial start-up.
 5. Pursuant to Section VII.3 of the policy manual of the Division for Air Quality as referenced by 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.
 6. Operation of the affected facilities authorized by this permit shall not commence until compliance with applicable standards specified herein has been demonstrated in accordance with the requirements of 401 KAR 52:040, Section 12(4)(b). Until compliance is demonstrated, the source may only operate for the purpose of demonstrating compliance.

SECTION D – INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:040, Section 6. While these activities are designated as insignificant the permittee shall comply with the applicable regulation and any level of periodic monitoring specified below.

<u>Description</u>	<u>Applicable Regulation</u>
1. Emission Unit 01 (A-4) – Raw Peanuts Receiver (red)	401 KAR 59:010
2. Emission Unit 02 (A-5) – Semi Bulk Receiver	401 KAR 59:010
3. Emission Unit 03 (21-A) – Heavy Solid Removal (red/black)	401 KAR 59:010
4. Emission Unit 04 (21-B) – Heavy Solid Removal (blue/green)	401 KAR 59:010
5. Emission Unit 05 (H) – Sugar/Salt Grinding	401 KAR 59:010
6. Emission Unit 06 (27-A) – Bulk Skin Collection	401 KAR 59:010
7. Emission Unit 07 (27-B) – Bulk Skin Collection	401 KAR 59:010
8. Emission Unit 08 (29) – Bulk Sugar Receiver	401 KAR 59:010
9. Emission Unit 09 (A-1) – Raw Peanut Receiver (black)	401 KAR 59:010
10. Emission Unit 10 (A-2) – Raw Peanut Receiver (blue)	401 KAR 59:010
11. Emission Unit 11 (A-3) – Raw Peanut Receiver (green)	401 KAR 59:010
12. Emission Unit 11 (E-1) – Roasted Peanut Rejects	401 KAR 59:010
13. Emission Unit 13 (J-1) – Salt System	401 KAR 59:010
14. Emission Unit 14 (G-1) – Blanched Peanut Storage	401 KAR 59:010
15. Emission Unit 15 (K-1) – Blanched Peanut Storage	401 KAR 59:010
16. Emission Unit 16 (I-2) – Granulated Peanut Transfer	401 KAR 59:010
17. Emission Unit 17 (I-1) – Granulated Peanut Transfer	401 KAR 59:010
18. Emission Unit 18 (I-3) – Granulated peanut Transfer	401 KAR 59:010
19. Emission Unit 22 (28) – Sugar Transfer	401 KAR 59:010
20. Emission Unit 23 (32) – Skin Collection	401 KAR 59:010
21. Emission Unit 24 (26) – Central Skin Collection	401 KAR 59:010
22. Emission Unit 27 (30) – Minor Addition Dust Collection	401 KAR 59:010
23. Emission Unit 30 (40) – Peanut Destoner (Nov. 2003)	401 KAR 59:010
24. Emission Unit 31 (42) – Vacuum Conveying to Blancher (Nov. 2003)	401 KAR 59:010
25. Emission Unit 32 (44) – Skins Aspiration System (Nov. 2003)	401 KAR 59:010
26. Emission Unit 33 (45) – Roaster #5 w/ Thermal Oxidizer (Nov. 2003)	401 KAR 59:010
27. Emission Unit 34 (41) – Peanut Cooler (Nov. 2003)	401 KAR 59:010
28. Emission Unit 35 (E0501) – Sugar/Salt Grinding 2 (May-05)	401 KAR 59:010
29. Emission Unit 36 (E0502) – Sugar Transfer 2 (May-05)	401 KAR 59:010
30. Emission Unit 37 (E0503) – Salt System 2 (May-05)	401 KAR 59:010
31. Emission Unit 38 (E0504) – Bulk Sugar Receiver 2 (May-05)	401 KAR 59:010